WHAT IS CLAIMED IS:

2	1. A furnace residue washing method comprising the steps of:
3	collecting residue from a furnace;
4	cooling the residue by water and screening the residue by different dimension
5	sieves;
6	separating the screened residue into different iron contents by magnetism;
7	separating and depositing sand from the water;
. 8	crushing the screened residue of large dimension scale;
. 9	separating the screened residue of large dimension scale by different iron
10	contents by magnetism; and
11	recollecting separately the separated and screened residue of large dimension
12	scale.
13	2. The method as claimed in claim 1, wherein a sprinkling system is provided in
14	the screening step to provide water to cool the residue from the furnace.
15	3. The method as claimed in claim 1, wherein the residue is screened into
16	separated groups to respectively have dimensions of above 30mm, between 12-30mm,
17	between 8-12mm and below 8mm.
18	4. The method as claimed in claim 2, wherein the residue is screened into
19	separated groups to respectively have dimensions of above 30mm, between 12-30mm,
20	between 8-12mm and below 8mm.
21	5. The method as claimed in claim 1, wherein after the water is supplied, lime
22	powder is washed from the residue and mixed with the water.
23	6. The method as claimed in claim 4, wherein after the water is supplied, lime

powder is washed from the residue and mixed with the water.

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7. The method as claimed in claim 6, wherein the water is recycled in a water 1 tank. 2 8. The method as claimed in claim 1, wherein a grinding device is provided to 3 refine the recollected residue. 4 9. The method as claimed in claim 2, wherein a grinding device is provided to 5 refine the recollected residue. 6 10. The method as claimed in claim 3, wherein a grinding device is provided to 7 refine the recollected residue. -8 11. The method as claimed in claim 4, wherein a grinding device is provided to 9 refine the recollected residue. 10 12. The method as claimed in claim 5, wherein a grinding device is provided to 11 12 refine the recollected residue. 13. The method as claimed in claim 6, wherein a grinding device is provided to 13 refine the recollected residue. 14 14. The method as claimed in claim 7, wherein a grinding device is provided to 15

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refine the recollected residue.